

Comparisons of Job Characteristics

Focus Occupation: Gas Plant Operators (51-8092)

Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Gas Plant Operators (51-8092)

Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	14.8	16.8	>	Current knowledge level is likely sufficient
Mathematics	9.2	13.5	9.2	<<	Extensive education and/or training may be required
Physics	4.3	13.2	8.8	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	12.7	12.1	0	Current knowledge level may be sufficient
Chemistry	4.8	12.6	8.4	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	11.1	7.8	<<	Extensive education and/or training may be required
Biology	3.7	10.9	1.9	<<	Extensive education and/or training may be required
Production and Processing	6.0	10.8	8.5	<	Expanded education and/or training may be required
Building and Construction	4.0	10.0	7.4	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Gas Plant Operators (51-8092)

Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	11.9	16.0	>>	Skill level is likely more than sufficient

Operation and Control	5.4	11.4	12.0	0	Current skill level may be sufficient
Quality Control Analysis	5.9	10.3	10.8	0	Current skill level may be sufficient
Equipment Maintenance	3.5	9.3	8.4	<	A higher skill level may be required
Troubleshooting	4.5	9.3	9.4	0	Current skill level may be sufficient
Repairing	3.4	9.0	8.4	0	Current skill level may be sufficient
Equipment Selection	3.3	7.4	6.3	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Gas Plant Operators (51-8092)

Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Perceptual Speed	7.4	9.8	12.8	>>	Current ability level is likely more than sufficient
Depth Perception	5.3	8.0	7.9	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	7.1	5.8	<	Some improvement in abilities may be required
Gross Body Coordination	3.9	6.9	4.4	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	6.9	8.6	>	Current ability level is likely sufficient
Wrist-Finger Speed	3.2	5.4	5.2	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Gas Plant Operators (51-8092)

Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Clean equipment or machinery	20
Control operation of compressors	76
Direct and coordinate activities of workers or staff	3
Maintain consistent production quality	50
Maintain or repair industrial or related equipment/machinery	39
Maintain production or work records	19
Monitor production machinery/equipment operation to detect problems	27
Operate chemical processing equipment	77
Test materials or solutions	73
Use hand or power tools	2

Use laboratory equipment	60
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Gas Plant Operators (51-8092)

Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.